

**OCT 23 2007**

App. No. 10/529,536  
Office Action Dated July 25, 2007

**Amendments to the Claims:**

This listing of claims will replace all prior versions and listing of claims in the application.

Claim 1, 8 and 9 are amended.

Claims 5-7 and 10 are canceled without prejudice or disclaimer.

Claim 12 is new.

**Listing of Claims:**

1. (Currently Amended) A carrier for electrophotography in which a surface of at least a core material is coated with a resin,  
wherein the coating resin contains a fluorine modified silicone resin and an aminosilane coupling agent,  
wherein the aminosilane coupling agent is included in a range of 5 to 40 weight parts with respect to 100 weight parts of the coating resin,  
wherein the fluorine modified silicone resin is a crosslinked fluorine modified silicone resin obtained by reacting an organic silicon compound containing a perfluoro alkyl group with polyorganosiloxane within a range of 3 to 20 weight parts with respect to 100 weight parts of the polyorganosiloxane, and  
wherein the carrier charges a toner negatively.
2. (Original) The carrier for electrophotography according to claim 1,  
wherein the resin coating layer further comprises conductive microparticles within a range of 1 to 15 weight parts with respect to 100 weight parts of the coating resin.
3. (Canceled)
4. (Original) The carrier for electrophotography according to claim 1,  
wherein the proportion of the coating resin is within a range of 0.1 to 5.0 weight parts with respect to 100 weight parts of the carrier core material.

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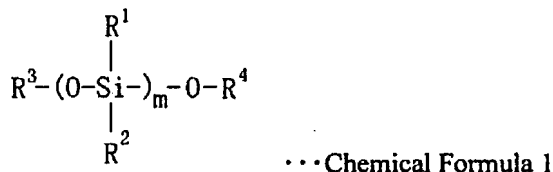
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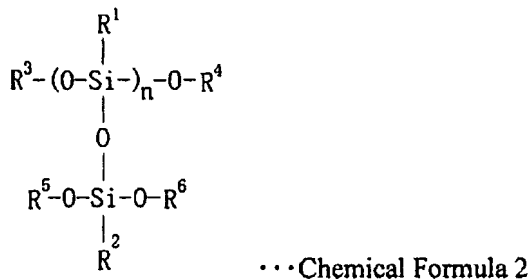
5-7. (Canceled)

8. (Currently Amended) The carrier for electrophotography according to claim [[7]] 1,  
 wherein the organic silicon compound containing a perfluoro alkyl group is at least one  
 compound selected from  $\text{CF}_3\text{CH}_2\text{CH}_2\text{Si}(\text{OCH}_3)_3$ ,  $\text{C}_4\text{F}_9\text{CH}_2\text{CH}_2\text{Si}(\text{CH}_3)(\text{OCH}_3)_2$ ,  
 $\text{C}_8\text{F}_{17}\text{CH}_2\text{CH}_2\text{Si}(\text{OCH}_3)_3$ ,  $\text{C}_8\text{F}_{17}\text{CH}_2\text{CH}_2\text{Si}(\text{OC}_2\text{H}_5)_3$ , and  $(\text{CF}_3)_2\text{CF}(\text{CF}_2)_8\text{CH}_2\text{CH}_2\text{Si}(\text{OCH}_3)_3$ .

9. (Currently Amended) The carrier for electrophotography according to claim [[7]] 1,  
 wherein the polyorganosiloxane is at least one selected from Chemical Formulas 1 and 2  
 below:



where  $\text{R}^1$  and  $\text{R}^2$  denote a hydrogen atom, a halogen atom, a hydroxy group, a methoxy group, or  
 a C1 to C4 alkyl group or phenyl group,  $\text{R}^3$  and  $\text{R}^4$  denote a C1 to C4 alkyl group or phenyl  
 group, and  $m$  denotes an average polymerization degree and is a positive integer,



where  $\text{R}^1$  and  $\text{R}^2$  denote a hydrogen atom, a halogen atom, a hydroxy group, a methoxy group, or  
 a C1 to C4 alkyl group or phenyl group,  $\text{R}^3$ ,  $\text{R}^4$ ,  $\text{R}^5$  and  $\text{R}^6$  denote a C1 to C4 alkyl group or  
 phenyl group, and  $n$  denotes an average polymerization degree and is a positive integer.

10. (Canceled)

11. (Original) The carrier for electrophotography according to claim 1,

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wherein the aminosilane coupling agent is at least one selected from  $\gamma$ -(2-aminoethyl)aminopropyltrimethoxysilane,  $\gamma$ -(2-aminoethyl)aminopropylmethyldimethoxysilane, and octadecylmethyl[3-(trimethoxysilyl)propyl]ammonium chloride.

12. (New) The carrier for electrophotography according to claim 1, wherein an amine of the aminosilane coupling agent is a primary amine.